|    | Index of Claims |             |          |              |                  |          |          |          |               |            |                             |          |          |          | Application/Control No. |           |              |          |           |          |         |         |          |          | Applicant(s)/Patent under<br>Reexamination |                 |          |         |              |          |          |          |          |   |  |  |
|----|-----------------|-------------|----------|--------------|------------------|----------|----------|----------|---------------|------------|-----------------------------|----------|----------|----------|-------------------------|-----------|--------------|----------|-----------|----------|---------|---------|----------|----------|--|-----------------|----------|---------|--------------|----------|----------|----------|----------|---|--|--|
|    |                 |             |          |              |                  |          |          |          |               |            |                             |          |          |          | 10/542538<br>Examiner   |           |              |          |           |          |         |         |          |          | i Triot                                    |                 |          |         |              |          |          |          |          |   |  |  |
|    |                 |             |          |              |                  |          |          |          |               |            |                             |          |          |          | CX                      | an        | "7           |          |           |          |         |         |          | Art Unit |  |                 |          |         |              |          |          |          |          |   |  |  |
|    |                 |             |          |              |                  |          |          |          |               |            |                             |          |          |          |                         |           |              |          |           |          |         |         |          |          |  |                 |          |         |              | L        |          |          |          |   |  |  |
|    |                 | √ Rejected  |          |              |                  |          |          |          |               | _          | (Through numer<br>Cancelled |          |          |          |                         | era       | ıl)          |          |           | N        | Non-Ele |         |          | cted     |  | Α               | Appeal   |         |              |          |          | •        | ٠        |   |  |  |
|    |                 | = Allowed   |          |              |                  |          |          |          |               | Restricted |                             |          |          |          |                         |           |              |          | Int       | erfe     | erei    | nce     |          | 0        |  | Obje            | ecte     | ed      |              |          |          |          |          |   |  |  |
|    | Cla             | Claim Date  |          |              |                  |          |          | 9        |               | _          |                             |          | Claim    |          |                         |           | Dat          |          |           | 8        |         |         | Clair    |          | laim                                       | Γ               |          | Date    |              |          |          |          | ٦        |   |  |  |
|    | <u> </u>        | inal        |          |              |                  |          |          |          |               |            |                             | -        | <u> </u> | nal      |                         |           |              |          |           | •        |         |         | ]        | <u>a</u> | nai  |                 |          |         |              |          |          |          | 7.       |   |  |  |
|    | Final           | 2) Original |          |              | -                |          |          |          |               |            |                             | l i      | Lina     | Original | 1                       |           |              |          |           |          | 0       | ł       |          | Final    | Original                                   |                 |          |         |              |          |          |          |          |   |  |  |
|    |                 | 1           |          |              |                  |          |          |          |               |            | $\exists$                   | $\vdash$ | .        | 51       | +                       | $\dashv$  | $\dashv$     | +        | $\dashv$  | $\dashv$ | +       | +       | $\dashv$ | -        | 101  | $\vdash$        | $\dashv$ | +       | ╁            | H        |          | - -      | -        |   |  |  |
|    |                 | 3           |          |              |                  |          |          |          |               |            |                             |          | $\neg$   | 52       | _                       | 4         | 1            | 7        | 1         |          | 4       |         | 7        |          | 102  |                 | 1        | $\perp$ |              |          |          |          |          |   |  |  |
| •  |                 | 4           |          |              |                  |          |          |          | _             |            | $\vdash$                    | $\vdash$ | 1        | 53<br>54 | +                       | +         | +            | +        | +         | $\dashv$ | +       | +-      | $\dashv$ |          | 103<br>104                                 | -               | +        | +       | <del> </del> | -        | $\dashv$ | +        | $\dashv$ |   |  |  |
|    |                 | 5           | <u> </u> |              |                  |          |          |          |               |            |                             |          |          | 55       | $\Box$                  | 4         | 4            | 4        | _         | _        |         | _       | 7        |          | 105  | П               | 7        | 1       | ļ_           |          |          |          |          |   |  |  |
|    |                 | 7           | $\vdash$ | Н            |                  | -        | -        |          |               | _          | $\dashv$                    | $\vdash$ | $\dashv$ | 56<br>57 | $\dashv$                | +         | +            | +        | $\dashv$  | $\dashv$ | +       | +-      | $\dashv$ | -        | 106<br>107                                 | +               |          | +       | -            | -        | $\dashv$ |          | $\dashv$ |   |  |  |
|    |                 | 8/          |          |              |                  |          |          |          |               |            |                             |          |          | 58       | $\Box$                  | $\Box$    | 1            | 1        |           |          |         |         | ] .      |          | 108  |                 | 7        |         |              |          |          |          | ⇉.       |   |  |  |
|    | _               | /9<br>10    | -        | ;            |                  | Н        | $\vdash$ |          |               |            | $\dashv$                    | H        | -        | 59<br>60 | -                       | $\dashv$  | $\dashv$     | $\dashv$ | $\dashv$  | +        |         | -       | $\dashv$ |          | 109<br>110                                 | $\vdash \vdash$ | +        | +       | ┝            |          |          |          | $\dashv$ |   |  |  |
|    |                 | 11          |          |              |                  |          |          |          |               |            |                             |          |          | 61       |                         |           |              |          |           |          |         |         |          |          | 111  |                 | 1        |         | L            |          |          |          |          |   |  |  |
|    |                 | 193         | }        | Н            |                  |          | -        |          |               |            |                             | -        | $\dashv$ | 62<br>63 | +                       | $\dashv$  | +            | +        | -         | -        | -       | +       | -        | H        | 112<br>113                                 | $\mid - \mid$   | +        |         | ┼            |          |          |          | 4        |   |  |  |
| _  |                 | 14          |          |              |                  |          |          |          |               |            |                             |          |          | 64       |                         |           | $\perp$      |          | $\perp$   |          |         |         | _        |          | 114  |                 |          |         | _            |          |          |          | 1        |   |  |  |
|    |                 | 15<br>16    | -        | $\vdash$     |                  |          |          |          | _             | _          | $\square$                   | <u> </u> |          | 65<br>66 | -                       | 4         | 4            | 4        | 1         | _        | _       | _       | -        |          | 115<br>116                                 |                 | $\perp$  |         | Ι_           |          |          |          |          |   |  |  |
|    |                 | 17          |          | Н            | -                |          |          |          |               |            | $\dashv$                    | $\vdash$ | +        | 67       | -+                      | +         | +            | +        | $\dashv$  | $\dashv$ | -       | +       | $\dashv$ |          | 117  | H               | $\dashv$ | ╁       | ┢            | -        |          |          | +        | • |  |  |
|    |                 | 18          |          |              |                  |          |          |          |               |            |                             |          |          | 68       |                         |           | 1            | 7        | 7         |          |         |         |          |          | 118  |                 |          |         |              |          |          |          |          |   |  |  |
|    |                 | 19<br>20    |          |              |                  | -        |          |          |               |            | $\dashv$                    | -        | $\dashv$ | 69<br>70 | +                       | +         | +            | $\dashv$ | $\dashv$  | $\dashv$ | +       |         | -        |          | 119<br>120                                 | $\vdash$        | -        | +       | ╁            |          |          |          | 4        |   |  |  |
|    |                 | 21          |          |              |                  |          |          |          |               |            |                             |          |          | 71       |                         |           |              | $\perp$  |           |          |         |         | 1        |          | 121  |                 |          |         | ┢            |          |          |          |          |   |  |  |
|    |                 | 22<br>23    | <u> </u> | -            |                  | <u> </u> |          | -        |               |            | $\vdash$                    | -        | _        | 72<br>73 | •                       | _         | - -          | 4        | 4         | $\dashv$ |         | +       | -        |          | 122<br>123                                 | -               | -        |         | Ļ            |          |          |          |          |   |  |  |
|    |                 | 24          | -        | $\vdash$     |                  | Н        |          |          |               |            | H                           | $\vdash$ | +        | 74       | ,                       | -         | +            | $\dashv$ | $\dashv$  | $\dashv$ | +       | +       | 1        | <u> </u> | 124  | $\vdash$        | +        | +       | ╁            | -        |          |          | $\dashv$ |   |  |  |
|    |                 | 25          |          |              |                  |          |          |          |               |            |                             |          |          | 75       |                         |           | 1            | $\Box$   |           |          |         | $\perp$ | ]        |          | 125  | П               | $\Box$   | 1       | I            |          |          |          |          |   |  |  |
|    |                 | 26<br>27    | ╁        | -            |                  | Н        | Н        | _        |               |            | ⊢ ·                         | -        | $\dashv$ | 76<br>77 | +                       | $\dashv$  | $\dashv$     | $\dashv$ | +         | $\dashv$ | +       | +       | -        | $\vdash$ | 126<br>127                                 | $\vdash \vdash$ | $\dashv$ | ╬       | ├            | -        |          |          | -        |   |  |  |
| 1. |                 | 28          |          |              |                  |          |          | _        |               |            |                             |          |          | 78       |                         |           |              |          | 士         |          |         |         | 1        |          | 128  |                 |          |         | 上            |          |          |          |          |   |  |  |
|    |                 | 29<br>30    | <b></b>  | -            |                  |          |          |          |               |            | $\mathbf{H}$                | $\vdash$ | $\dashv$ | 79<br>80 | $\dashv$                | $\dashv$  | $\dashv$     | $\dashv$ | $\dashv$  | +        | +       | +       | -        |          | 129<br>130                                 | $\vdash$        | -        | -       | ŀ            | -        |          | +        | 4        |   |  |  |
|    |                 | 31          |          |              |                  |          |          |          |               |            |                             |          | $\dashv$ | 81       | 1                       |           | _            | 7        | $\exists$ | +        |         | +-      | - H      | _        | 131  |                 |          | 1       | 1            | $\vdash$ |          | +        | $\dashv$ |   |  |  |
|    |                 | 32          |          |              |                  |          |          |          |               |            |                             |          | 4        | 82       | 4                       | _[        | _            | 4        | 4         | _        |         | $\bot$  | 7        |          | 132  |                 | $\bot$   |         | <u> </u>     |          |          |          | 7        |   |  |  |
|    |                 | 33<br>34    | $\vdash$ |              | <del>: -</del> - | Н        |          | -        | -             |            | -                           | -        | -        | 83<br>84 | +                       | +         | +            | $\dashv$ | $\dashv$  | $\dashv$ |         | +       | -        | $\vdash$ | 133<br>134                                 | H               |          |         | ╁            | H        |          |          | $\dashv$ |   |  |  |
|    |                 | 35          |          |              |                  |          |          |          | ]             |            |                             |          |          | 85       |                         |           | コ            | コ        | コ         |          |         |         | ]        |          | 135  |                 |          |         |              | ·        |          |          |          | ٠ |  |  |
|    | <u> </u>        | 36<br>37    | 1        | -            |                  |          |          | _        | _             |            | $\vdash$                    | -        | -        | 86<br>87 | +                       | -         | -            | -        | +         |          | -       | +       | -        |          | 136<br>137                                 |                 | -        | -       | ــ           |          | $\dashv$ | -        | - ·      |   |  |  |
|    |                 | 38          |          |              |                  |          |          |          |               |            |                             |          |          | 88       |                         |           | +            |          | 1         | 1        | _       | $\pm$   | 1        | -        | 138  |                 | _        |         | $\vdash$     |          | $\dashv$ | $\dashv$ | $\dashv$ |   |  |  |
|    |                 | 39          | -        |              |                  |          |          |          |               |            |                             |          | _        | 89       | _                       | $\Box$    | 4            | _        | -         |          |         | _       | -<br>-   |          | 139  |                 | -        |         | <u> </u>     |          | $\Box$   |          |          |   |  |  |
|    |                 | 40          | -        | $\vdash$     | -                | $\vdash$ | $\vdash$ | $\dashv$ |               |            | $\dashv$                    | -        | -        | 90<br>91 | +                       | $\dashv$  | $\dashv$     | $\dashv$ | +         | $\dashv$ | +       | +       | 1        |          | 140  | H               | +        | +       | +            |          |          |          | $\dashv$ |   |  |  |
| •  |                 | 42          |          |              |                  |          |          |          |               |            |                             |          |          | 92       | ightharpoons            | $\exists$ | $\downarrow$ | #        | $\Box$    | $\Box$   |         |         |          |          | 142  |                 | 1        |         |              |          |          |          |          |   |  |  |
|    | <u> </u>        | 43<br>44    | $\vdash$ | $\vdash$     | -                | Н        | $\vdash$ |          |               |            | $\dashv$                    | -        |          | 93<br>94 | $\dashv$                | $\dashv$  | - -          | -        | $\dashv$  | $\dashv$ |         | +       | -        | -        | 143  | $\vdash \vdash$ |          | +       | $\vdash$     | $\vdash$ | $\dashv$ | +        | -        |   |  |  |
|    |                 | 45          |          |              |                  |          |          |          |               |            |                             |          | _        | 95       | $\exists$               | $\exists$ | $\pm$        | $\pm$    | $\exists$ |          | $\pm$   | $\pm$   | 1        |          | 145  |                 | $\perp$  | 士       | 上            |          |          | _ -      | 1        |   |  |  |
|    |                 | 46<br>47    | <u> </u> | $oxed{\Box}$ |                  |          |          |          |               |            |                             |          | $\Box$   | 96       | $\Box$                  | $\bot$    | 7            | T        | $\Box$    | $\Box$   | $\bot$  | $\bot$  | -        |          | 146  | $\Box$          | 1        |         | $\vdash$     |          |          | $\Box$   | ].       |   |  |  |
|    | -               | 48          | +        |              | _                | H        | $\vdash$ |          |               |            | $\dashv$                    | $\vdash$ | $\dashv$ | 97<br>98 | +                       | $\dashv$  | +            | $\dashv$ | $\dashv$  | -        | - -     | ╁       | -        | <u> </u> | 147<br>148                                 | ┼╌┤             | +        | -       | ╁            | -        | $\dashv$ | -        | -        |   |  |  |
| •  |                 | 49          |          |              |                  |          |          |          | $\overline{}$ |            |                             |          |          | 99       |                         |           |              |          | $\exists$ |          | 丰       |         | ]        |          | 149  | П               |          | 1.      |              |          |          |          |          |   |  |  |
|    | l               | 50          | 1        | ı            |                  | ı l      | L.       |          | •             |            |                             | - 1      |          | 100      | . 1                     |           |              |          |           |          | - 1     | 1       | 1        | 1        | 150  | 1               |          | 1       | 1            | 1 - {    |          |          | - 1      |   |  |  |